

WHAT I CLAIM IS:

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13. A method for producing, in the interior space of a motor vehicle, sounds that depend upon the operation of an internal combustion engine, said method including the steps of:

detecting fluctuations in pressure in the fresh air stream supplied to the engine, wherein said fluctuations are caused by an intake of the cylinder or cylinders of said engine;

converting said fluctuations into signals; and

making said signals audible via at least one speaker disposed in said interior vehicle space.

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14. An apparatus for producing, in the interior space of a motor vehicle, sounds that depend upon the operation of an internal combustion engine, said apparatus comprising:

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a pressure sensor for detecting fluctuations in pressure in a fresh air stream to said engine, wherein said fluctuations are caused by an intake of the cylinder or cylinders of said engine;

an amplification device for amplifying output signals of said pressure sensor; and

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at least one speaker disposed in said interior vehicle space and connected to said amplification device for reproducing amplified output signals.

15. An apparatus according to claim 14, wherein said pressure sensor is arranged in such a way that it detects fluctuations in said fresh air stream upstream of a load controlling member of said internal

combustion engine that is disposed in said fresh air stream.

16. An apparatus according to claim 14, wherein said pressure sensor is a differential pressure sensor.

17. An apparatus according to claim 14, wherein said pressure sensor is a pressure sensor that is sensitive for a frequency range of from 1 Hz to 10 kHz.

18. An apparatus according to claim 14, wherein said amplification device contains a filter device for frequency-selective processing of output signals of said pressure sensor.

19. An apparatus according to claim 18, wherein said filter device attenuates frequencies over 300 Hz.

20. An apparatus according to claim 18, wherein said filter device attenuates frequencies below 30 Hz.

21. An apparatus according to claim 14, wherein a modulation device is provided for altering characteristics of said amplification device.

22. An apparatus according to claim 21, wherein said amplification device contains an active module, and wherein said modulation device contains a component for triggering said active module.

23. An apparatus according to claim 14, wherein for a multi-cylinder internal combustion engine, said pressure sensor is disposed at a location at which it detects a fresh air stream that is supplied to all cylinders.

24. An apparatus according to claim 14, wherein said internal

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